

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael Hensel, David William Holden and Jacquelin Shea

Serial No.: Divisional of 09/763,620

Art Unit: Not Yet Assigned

Filed: January 23, 2004

Examiner: Not Yet Assigned

For: *ATTENUATED SALMONELLA SPI2 MUTANTS AS ANTIGEN CARRIERS*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including fourteen (14) pages of Form PTO-1449. All of the documents cited below were cited by or submitted to the Patent Office in Application Serial No. 09/763,620, filed March 2, 2001, to which the present application claims priority. Pursuant to 37 C.F.R. §1.98(d), Applicants are not enclosing copies of these publications. Copies will be provided upon request, however.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 50-1868.

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<u>Number</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Class/Subclass</u>
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Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	Divisional of 09/763,620
		Filing Date	January 23, 2004
		First Named Inventor	Michael Hensel
		Group Art Unit	
		Examiner Name	
Sheet 1 of 14	Attorney Docket Number	ICI 104 DIV	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/KS/		5,397,697		Lam, et al.	03-14-1995	
/KS/		5,527,674		Guerra, et al.	06-18-1996	
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/KS/		6,015,669		Holden	01-18-2000	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office. ⁴	Number ⁴	Kind Code ² (if known)				
/KS/		PCT	WO 92/01056		Institut Pasteur	01-23-1992		
/KS/		PCT	WO 93/04202		Washington University	03-04-1993		
/KS/		PCT	WO 94/26933		Leland Stanford Junior University	11-24-1994		
/KS/		PCT	WO 96/17951		RPMS Technologies, Ltd.	06-13-1996		

Examine Signature	/Khato! Shahnan Shah/	Date Considered	06/05/2007
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		Application Number	Divisional of 09/763,820		
		Filing Date	January 23, 2004		
		First Named Inventor	Michael Hensel		
		Group Art Unit			
		Examiner Name			
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OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	Divisional of 09/763,620
		Filing Date	January 23, 2004
		First Named Inventor	Michael Hensel
		Group Art Unit	
		Examiner Name	
Sheet	3	of	14
		Attorney Docket Number	ICI 104 DIV

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issu number(s), publisher, city and/or country where published	T ²
/KS/Khatol		BROWN, et al., "Molecular analysis of the <i>rfb</i> gene cluster of <i>Salmonella serovar muenchen</i> (strain M67): the genetic basis of the polymorphism between groups 2b and 2c." <i>Mol. Microbiol.</i> 6:1385-1394 (1992).	
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/KS/		DUNYAKL, et al., "Identification of <i>Salmonella</i> pathogenicity island 2 (SPI2) genes in <i>Salmonella choleraesuis</i> using signature-tagged mutagenesis," <i>Abstracts of the 97th General Meeting of the American Society for Microbiology</i> B-275, May 4-8, 1997.	
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/KS/		GenBank Accession No. AF0208080 " <i>Salmonella typhimurium</i> pathogenicity island 2, partial sequence," (1998).	

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/KS/		GenBank Accession No. AJ224892 " <i>Salmonella typhimurium</i> sseE, sseA, sseB, sseC, sseD, sseE, sseF, sseG, ssaG, ssaH, ssaI genes and partial ssaJ genes," (1998).	
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		Filing Date	January 23, 2004
		First Named Inventor	Michael Hensel
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/KS/		GROISMAN & OCHMAN, "How To Become A Pathogen," <i>Trends Microbiol.</i> 2:285-293 (1994).	
/KS/		GROISMAN & SAIE, "Salmonella Virulence: New Clues To Intramacrophage Survival," <i>Trends In Biochem. Sci.</i> 15:30-33 (1990).	
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/KS/		GUZMAN, et al., "Use of Salmonella spp carrier strains to delivery Bordetella pertussis antigens in mice using the oral route," in Biology of Salmonella (Cabello, et al., eds.) Plenum Press: New York, NY (1993).	
/KS/		HAN et al. (1997) "Tn5 tagging of the phenol-degrading gene on the chromosome of Pseudomonas putida," <i>Mol. Cells</i> 7:40-44 (1997).	
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/KS/		HOLLAND, et al., "Tn918 Insertion Mutagenesis In Escherichia Coli And Haemophilus Influenzae Type b Following Conjugative Transfer," <i>J. Gen. Microbiol.</i> 138:509-515 (1992).	
/KS/		JIANG, et al., "Structure and sequence of the rib (O antigen) gene cluster of <i>Salmonella serovar typhimurium</i> (strain LT2)," <i>Mol Microbiol</i> 5:695-713 (1991).	
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/KS/	/K/	LISITSYN, et al., "Cloning The Difference Between Two Complex Genomes," <i>Science</i> 259:946-951 (1993).	
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				Filing Date	January 23, 2004
				First Named Inventor	Michael Hensel
				Group Art Unit	
				Examiner Name	
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/KS/		MILLER, et al., "Isolation Of Orally Attenuated Salmonella Typhimurium Following TnpA Mutagenesis," <i>Infection Immun.</i> 57:2758-2763 (1989).
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/KS/		PIATTI, et al. "Cloning and Characterization of S. typhi." <i>Societa Italiana di Microbiologia Medica Odontoiatrica e Clinica</i> '93 (Translation), p. 82.	
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/KS/		RUSSMAN, et al., "Delivery of epitopes by the <i>Salmonella</i> type III secretion system for vaccine development," <i>Science</i> 281: 565-568 (1998).		
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/KS/		STOJILJKOVIC et al., "Ethanolamine utilization in <i>Salmonella typhimurium</i> : nucleotide sequence, protein expression, and mutational analysis of the cchA cchB eutE eutJ eutG eutH gene cluster," <i>J. Bacteriol.</i> 177(5):1357-66 (1995).		
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/KS/		WOOLLEY et al. "Transfer of Tn1545 and Tn916 to <i>Clostridium acetobutylicum</i> ," <i>Plasmid</i> 22:169-174 (1989).	

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